INTERNATIONAL SEARCH REPORT

A.	CLASSIFICATION OF SUBJECT MATTER

IPC(7) : C12Q 1/68; C12N 15/63
US CL : 435/6, 455

According to International Patent Classification (IPC) or to both national classification and IPC

B.	FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
    U.S. : 435/6, 455

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
EAST, CAPlus, Medline, Embase, Biosis

C.	DOCUMENTS CONSIDERED TO BE RELEVANT	
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Mansell, A. et al. "The serine protease inhibitor antithrombin III inhibits LPS-mediated NF-kappaB activation by TLR-4", November 2001, FEBS letters, Vol. 508: pp.313-317.	1
X	Yoshimura, A. et al. "Lipopolysaccharides from Periodontopathic Bacteria Porphyromonas gingivalis and Capnocytophaga achracea Are Antagonists for Human Toll-Like Receptor 4", Jan. 2002, Vol. 70: pp. 218-225.	1.
X, P	Ohta, S. "Identification of a novel isoform of MD-2 that downregulates lipopolysaccharide signaling", November 2004, Biochem. Biophys. Res. Comm., Vol. 323: pp.1103-1108.	1, 4, 5-6.
X	Su, B. et al., "Heliobacter pylori Activates Toll-Like Receptor 4 Expression in Gastrointestinal Epithelial Cells", June 2003, Infec. Immun., Vol. 71: pp. 3496-3502.	1, 8.
X	Hatakeyama, J. "Contrating responses of human gingival and periodontal ligament fibroblasts to bacterial cell-surface components through the CD14/Toll-like receptor system", Feb. 2003, Oral Micro. Immun., Vol. 18: pp. 14-23.	1, 8.
X	WO 03/035110 A1 (Arditi et al) 1 May 2003 (1.05.2003), pages 5-8.	1-6, 8.
X, P	WO 2004/093778 (Cohen et al) 4 November 2004 (04.11.2004), see entire document, especially pages 4-9.	1-4

☒ Further documents are listed in the continuation of Box C.   ☐ See patent family annex.

Date of the actual completion of the international search	Date of mailing of the international search report
19 March 2005 (19.03.2005)	01 APR 2005

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Form PCT/ISA/210 (second sheet) (January 2004)

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6,740,487 B1 (Schwartz et al) 25 May 2004 (25.05.2004)	1-17